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PATENT
Docket No.: 1819/100211

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants	:	Mitchell Rosen and Noboru Ohta)
Serial No.	:	09/972,223)
Cnfrm. No.	:	4639)
Filed	:	October 5, 2001)
For	:	A DATA-EFFICIENT AND SELF- ADAPTING IMAGING SPECTROMETRY) METHOD AND APPARATUS THEREOF)

Examiner:
Jingge Wu

Art Unit:
2623

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Technology Center 2600

U.S. Patent and Trademark Office
P.O. Box 2327
Arlington, VA 22202
Box:

Dear Sir:

In response to the August 28, 2002, office action, please amend the above-identified patent application as follows:

In The Claims:

Please cancel claims 36 and 40, amend claims 21, 22, 27, 32, 33, 37, and 41 and add new claim 42 as follows:

21. (Amended) The method as set forth in claim 1 wherein the number of the first plurality of channels and the second plurality of channels are identical.

22. (Amended) A system for spectral imaging, the system comprising:
an imaging system that captures high spectral resolution data of at least
a portion of a first scene using a plurality of channels; and